



Dean, Ouisha <ouisha.dean@solvay.com>

Parachute Boiler Kickoff Notes

5 messages

Toenyes, Ouisha <ouisha.toenyes@solvay.com>

Thu, Jan 12, 2012 at 11:12 AM

To: Tim Brown <Tim.Brown@solvay.com>

Hi Tim,

Here is the Parachute Boiler Kickoff Meeting notes that I took. I also saved the notes on the N Drive under air - permit - parachute boiler - correspondents 01 -12. Please let me know if you want me to make any changes or additions and I'll begin writing up the notes for the conference call this morning with Tim and Rodger.

—
Ouisha Toenyes
Environmental Engineer
(307) 872 - 6571
ouisha.toenyes@solvay.com

**Boiler Kickoff Meeting.doc**

26K

Brown, Tim <tim.brown@solvay.com>

Thu, Jan 12, 2012 at 11:20 AM

To: "Toenyes, Ouisha" <ouisha.toenyes@solvay.com>

Looks good,

Maybe you should add something about the permitting timeline within the schedule.

Thanks!

[Quoted text hidden]

[Quoted text hidden]

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—
Tim Brown
Environmental Services Supervisor
(307) 872-6570
tim.brown@solvay.com

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Toenyes, Ouisha <ouisha.toenyes@solvay.com>
To: "Brown, Tim" <tim.brown@solvay.com>

Thu, Jan 12, 2012 at 11:47 AM

Here are the parachute meeting notes with the added 12 months for permitting and the air sciences notes. Again let me know if you want me to add or change anything.

Thanks Tim

[Quoted text hidden]

2 attachments



Boiler Kickoff Meeting.doc
26K



Air Sciences Meeting.xml
15K

Toenyes, Ouisha <ouisha.toenyes@solvay.com>
To: "Brown, Tim" <tim.brown@solvay.com>

Thu, Jan 12, 2012 at 12:00 PM

Here are the Air Sciences notes with the addition you requested.

[Quoted text hidden]



Air Sciences Meeting.xml
15K

Brown, Tim <tim.brown@solvay.com>
To: "Toenyes, Ouisha" <ouisha.toenyes@solvay.com>

Thu, Jan 12, 2012 at 12:34 PM

Thanks, looks good!

[Quoted text hidden]

01/12/12

Parachute Gas Boiler Kickoff Meeting

SCHEDULE:

1. The current schedule has the new boiler being commissioned on July 1st, 2013, and has the boiler being fully operational on September 1st, 2013.
2. Currently 17 weeks are proposed for engineering of the new boiler and construction will begin in 59 weeks.
3. However, the engineering team wants to begin adding tie ins for the new boiler under the current permit in May.

DECISIONS:

1. The engineering team still needs to decide whether they will add another DA Feed Water Tank.
2. They also must still decide how many pumps are necessary for feed water and how they will position both the pumps and the additional DA Feed Water Tank if this is decided to be a necessary addition.

CHANGES TO PRODUCTION:

1. The plant's current production bottle neck is the preheating of the liquor going into the crystallizers, and adding an additional boiler would allow for better preheating of the liquor going into the crystallizers. This would increase production along with allowing for more production during outages.
2. The two increases in production would allow for a total increase in production of 160,000 tons/yr.

01/12/12

Air Sciences Inc. Meeting

Air Sciences looked at two permitting scenarios.

SCENARIO 1: They assumed there are no changes to production and the boiler hours of operation and/or capacity is limited. This assumption includes the following:

1. Minor Modification
2. The permit would not trip PSD
3. The permit would not exceed the 75,000 tons/yr. for Green House Gases (GHG)

SCENARIO 2: The plants production would be increased, thus increasing plant emissions. This assumption includes the following:

1. A new one hour NO₂ standard would need to be addressed
2. PSD would be tripped for NO_x, PM_{2.5}, and possible GHGs
3. This will require modeling and DEQ will require 9 months to review.
4. EPA will also have to review the GHG PSD

01/12/12

Parachute Gas Boiler Kickoff Meeting

SCHEDULE:

1. The current schedule has the new boiler being commissioned on July 1st, 2013, and has the boiler being fully operational on September 1st, 2013.
2. Currently 17 weeks are proposed for engineering of the new boiler and construction will begin in 59 weeks.
3. However, the engineering team wants to begin adding tie ins for the new boiler under the current permit in May.
4. Permitting must be complete for the project in a period of 12 months.

DECISIONS:

1. The engineering team still needs to decide whether they will add another DA Feed Water Tank.
2. They also must still decide how many pumps are necessary for feed water and how they will position both the pumps and the additional DA Feed Water Tank if this is decided to be a necessary addition.

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1. A new one hour NO₂ standard would need to be addressed
2. PSD would be tripped for NO_x, PM_{2.5}, and GHGs
3. This will require modeling and DEQ will require 9 months to review.
4. EPA will also have to review the GHG PSD
5. Because the increase in production will trigger PSD for GHGs, this permitting process will require dual permitting with the DEQ and EPA because DEQ does not issue PSD permits for GHGs.